

Title (en)
Precured silicone emulsion

Title (de)
Partiell gehärtete Silikonemulsion

Title (fr)
Emulsion de polysiloxane partiellement réticulé

Publication
EP 0420522 B1 19960508 (EN)

Application
EP 90310370 A 19900921

Priority
US 41180089 A 19890925

Abstract (en)
[origin: EP0420522A2] A shelf stable aqueous silicone emulsion which yields an elastomer upon removal of the water is produced by combining a hydroxyl endblocked polydiorganosiloxane present as an emulsion of dispersed particles in water, a crosslinker and a tin catalyst, the tin catalyst being in the form of a divalent tin atom combined with organic radicals. The emulsion, after crosslinking of the polydiorganosiloxane, can be reinforced with colloidal silica without affecting the shelf life of the reinforced emulsion.

IPC 1-7
C08L 83/04; **C08J 3/03**; **C08K 5/00**

IPC 8 full level
B01J 31/12 (2006.01); **C08J 3/02** (2006.01); **C08J 3/03** (2006.01); **C08K 3/36** (2006.01); **C08K 5/00** (2006.01); **C08K 5/09** (2006.01); **C08K 5/5419** (2006.01); **C08K 5/544** (2006.01); **C08L 83/04** (2006.01); **C08L 83/08** (2006.01)

CPC (source: EP KR US)
C08J 3/03 (2013.01 - EP US); **C08K 5/00** (2013.01 - EP US); **C08L 83/04** (2013.01 - EP KR US); **C08G 77/12** (2013.01 - EP US); **C08G 77/16** (2013.01 - EP US); **C08G 77/24** (2013.01 - EP US); **C08G 77/26** (2013.01 - EP US); **C08J 2383/04** (2013.01 - EP US)

Cited by
EP0552874A3; EP0735099A1; EP0572006A3; US6054523A; US8003744B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0420522 A2 19910403; **EP 0420522 A3 19911127**; **EP 0420522 B1 19960508**; AT E137789 T1 19960515; AU 6309190 A 19910328; AU 645520 B2 19940120; DE 69026893 D1 19960613; DE 69026893 T2 19961031; ES 2088980 T3 19961001; JP 3039795 B2 20000508; JP H03122163 A 19910524; KR 0160501 B1 19990115; KR 910006378 A 19910429; US 4954565 A 19900904

DOCDB simple family (application)
EP 90310370 A 19900921; AT 90310370 T 19900921; AU 6309190 A 19900924; DE 69026893 T 19900921; ES 90310370 T 19900921; JP 25044090 A 19900921; KR 900015106 A 19900924; US 41180089 A 19890925